



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/668,778
		Filing Date	September 22, 2003
		First Named Inventor	Balint, Robert F.
		Art Unit	1639
		Examiner Name	Not yet assigned
Sheet <u>1</u>	of <u>5</u>	Attorney Docket Number	021167-000750US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
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<u>JE</u>	AA	Voet, D. and Voet, J.G., <i>Biochemistry</i> , Second Edition, New York: John Wiley and Sons, 1995, pages 123-128 (Section 6-3A) and page 230, column 2, first paragraph	
<u>JE</u>	AB	Wehrman, T., <i>et al.</i> , "Protein-protein interactions monitored in mammalian cells via complementation of b-lactamase enzyme fragments," PNAS, March 19, 2002, 99(6):3469-3474	

Examiner Signature		Date Considered	8/19/03
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Page

2

of

5

Complete if Known

Application Number	Continuation of 09/526,106
Filing Date	March 15, 2000
First Named Inventor	Balint, Robert F.
Art Unit	1639
Examiner Name	Epperson, Jon D.
Attorney Docket Number	021167-000750US

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
JZ	AA	US-5,585,245		12/17/1998	Johnsson, et al.	
J	AB	US-6,270,964 B1		08/07/2001	Michnick, et al.	
	AC	US-6,294,330		09/25/2001	Michnick, et al.	

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		Country Code ³	Number ⁴	Kind Code ² (if known)				
JZ	AD	WO	95/29195	A1	11/02/1995	California Institute of Technology		<input type="checkbox"/>
	AE	WO	96/30540	A2	10/03/1996	The Regents of the University of California		<input type="checkbox"/>
	AF	WO	98/34120	A1	08/06/1998	Universite De Montreal		<input type="checkbox"/>
	AG	WO	98/44350	A1	10/08/1998	The Board of Trustees of the Leland Stanford Junior University		<input type="checkbox"/>
	AH	WO	99/28746	A1	06/10/1999	Institute Pasteur		<input type="checkbox"/>
	AI	WO	00/07038	A3	02/10/2000	Universite De Montreal		<input type="checkbox"/>
	AJ	WO	00/71565	A2	11/30/2000	The Regents of the University of California		<input type="checkbox"/>

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JZ	AK	Arndt et al., "A Heterodimeric Colloid-coil Peptide Pair Selected <i>In Vivo</i> from a Designed Library-versus-Library Ensemble", <i>J. Mol. Biol.</i> 295: 627-639 (2000).	
J	AL	Bartal, et al., "A protein linkage map of <i>Escherichia coli</i> bacteriophage T7." <i>Nature Genetics</i> , 12:72 (January 12, 1996).	
J	AM	Baird et al., "Circular permutation and receptor insertion within green fluorescent proteins", <i>Proc. Natl. Acad. Sci. USA</i> 96: 11241-11246 (1999).	

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		Art Unit	1639
		Examiner Name	Epperson, Jon D.
		Attorney Docket Number	021167-000750US
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Page	3	of	5

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JB	AN	Bartel, <i>et al.</i> , "Short Technical Reports; Elimination of false positives that arise in using the two-hybrid system," <i>Biotechniques</i> , 14(6):920 (1993).	
	AO	Beaton <i>et al.</i> , "Creating a bifunctional protein by insertion of β -lactamase into the maltodextrin-binding protein", <i>Nature Biotechnology</i> 15: 1276-1279 (1997).	
	AP	Blackwood, <i>et al.</i> , "Max: A helix-loop-helix zipper protein that forms a sequence-specific DNA-binding complex with myc," <i>Science</i> , 251:1211 (March 8, 1991).	
	AQ	Chien, <i>et al.</i> , "The two-hybrid system: A method to identify and clone genes for proteins that interact with a protein of interest," <i>Proc Natl Acad Sci</i> , 88:9578 (1991).	
	AR	Cubitt, <i>et al.</i> , "Understanding, improving and using green fluorescent proteins," <i>Trends Biochem</i> , 20:448 (November 1995).	
	AS	Defeo-Jones, <i>et al.</i> , "Cloning of cDNAs for cellular proteins that bind to the retinoblastoma gene product," <i>Nature</i> , 352:251 (July 18, 1991).	
	AT	Fields, <i>et al.</i> , "A novel genetic system to detect protein-protein interactions," <i>Nature</i> , 340:245 (July 20, 1989).	
	AU	Fromont-Racine, <i>et al.</i> , "Toward a functional analysis of the yeast genome through exhaustive two-hybrid screens," <i>Nature Genetics</i> , 16:277 (July 1997).	
	AV	Johnsson, <i>et al.</i> , "Split ubiquitin as a sensor of protein interactions <i>in vivo</i> ," <i>Proc Natl Acad Sci</i> , 91:10340-10344 (October 1994).	
	AW	Karimova, <i>et al.</i> , "A bacterial two-hybrid system based on a reconstituted signal transduction pathway," <i>Proc Natl Acad Sci</i> , 95:5752-5756 (May 1998).	
	AX	Krebber, <i>et al.</i> , "Selectively-infective Phase (SIP): A mechanistic dissection of a novel <i>in vivo</i> selection for protein-ligand interactions," <i>J Mol Biol</i> , 268:607-618 (1997).	
	AY	Krebber, <i>et al.</i> , "Reliable cloning of functional antibody variable domains from hybridomas and spleen cell repertoires employing a reengineered phage display system," <i>J Immunol Methods</i> , 201:35-55 (1997).	
	BA	Luban, <i>et al.</i> , "Human Immunodeficiency Virus Type 1 Gag Protein Binds to Cyclophilins A and B", <i>Cell</i> , 73:1067-1078 (1993).	
	BB	Michnick <i>et al.</i> , "Detection of Protein-Protein Interactions by Protein Fragment Complementation Strategies", <i>Methods In Enzymology</i> 328: 208-231 (2000).	

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Page

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
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First Named Inventor	Balint, Robert F.
Art Unit	1639
Examiner Name	Epperson, Jon D.
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	BC	Ostermeier, et al., "Combinatorial protein engineering by incremental truncation," <u>Proc Natl Acad Sci</u> , 96(7):3562-3567 (March 1999).	
	BD	Ostermeier, et al., "Finding Cinderella's slipper-- proteins that fit," <u>Nature Biotechnology</u> , 17:639-640 (July, 1999).	
	BE	Ostermeier, et al., "A combinatorial approach to hybrid enzymes independent of DNA homology," <u>Nature Biotechnology</u> , 17(12):1205-1209 (December 1999).	
	BF	Pelletier, et al., "Oligomerization domain-directed reassembly of active dihydrofolate reductase from rationally designed fragments," <u>Proc Natl Acad Sci</u> , 95:12141-12146 (October 1998).	
	BG	Pelletier, et al., "A protein complementation assay for detection of protein-protein interactions <i>in vivo</i> ," <u>Protein Engineering</u> , 10:89 (1997).	
	BH	Pelletier, et al., "An <i>in vivo</i> library-versus-library selection of optimized protein-protein interactions," <u>Nature Biotechnology</u> , 17: 683-689 (1999).	
	BI	Pieper, et al., "Circularly permuted β -lactamase from <i>Staphylococcus aureus</i> PC1," <u>Biochemistry</u> , 36(29):8767-8774 (1997).	
	BJ	Remy et al., "Erythropoietin Receptor Activation by a Ligand-Induced Conformation Change", <u>Science</u> 283: 990-993 (1999).	
	BK	Remy et al. "Visualization of biochemical networks in living cells", <u>Proc. Natl. Acad. Sci. USA</u> 98:14: 7678-7683 (2001).	
	BL	Remy et al. "Clonal selection and <i>in vivo</i> quantitation of protein interactions with protein-fragment complementation assays", <u>Proc. Natl. Acad. Sci. USA</u> 96: 5394-5399 (1999).	
	BM	Rossi, et al., "Monitoring protein-protein interactions in intact eukaryotic cells by β -galactosidase complementation," <u>Proc Natl Acad Sci</u> , 94:8405-8410 (August 1997).	
	BN	Subramaniam et al., "Direct visualization of protein interactions in plant cells", <u>Nature Biotechnology</u> 19: 769-772 (2001).	
	BO	Vojtek, et al., "Mammalian Ras Interacts Directly with the Serine/Threonine Kinase Raf", <u>Cell</u> , 74:205-214 (1993).	
	BP	Xu, et al., "Cells that register logical relationships among proteins," <u>Proc Natl Acad Sci</u> , 94:12473 (November 1997).	

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	BQ	Zervos, et al., "Mx1, a Protein That Specifically Interacts with Max to Bind Myc-Max Recognition Sites", <u>Cell</u> , 72:223-232 (1993).	

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